

Title (en)
Pilot probe for orbital welding apparatus

Title (de)
Zentrierfutter einer Orbitalschweissvorrichtung

Title (fr)
Centrage d'un appareil de soudage orbital

Publication
EP 0778105 B1 20000607 (EN)

Application
EP 95308946 A 19951208

Priority
EP 95308946 A 19951208

Abstract (en)
[origin: EP0778105A1] An orbital type welding apparatus adapted for use in welding tubes into a tubesheet by an inert gas electric arc welding process. The welding apparatus includes a housing, a rotor rotatably mounted within the housing, and a pilot probe unit extending from the housing lower side. The pilot probe unit contains a plurality of resiliently-mounted convex projections such as balls, which are spaced apart both circumferentially and longitudinally with respect to the pilot probe unit. The balls are mounted in transverse openings in the pilot unit. The spring-loaded projections serve to center the pilot unit and welding apparatus more quickly and accurately within a tube being electric arc welded to a tubesheet. Alternatively, a pilot probe unit having a plurality of transverse grooves can be used for welding tubes which are essentially round.

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B23K 9/0288 (2013.01)

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